

**NEW UTILITY PATENT APPLICATION  
TRANSMITTAL**

DOCKET NO.  
END920020086US2  
(IEN-10-5696-D1)  
TOTAL PAGES IN THIS SUBMISSION  
3

19270 U.S. PTO  
10/729174  
120503

**TO THE MAIL STOP PATENT APPLICATION  
COMMISSIONER FOR PATENTS**

**P.O. Box 1450 Box Patent Application  
Alexandria, VA 22313-1450**

Transmitted herewith for filing under 35 USC 111(a) and 37 CFR 1.53(b) is a new utility patent application for an invention entitled:

**ELECTRONIC PACKAGE WITH FILLED BLIND VIAS**

invented by:

FRANK D. EGITTO  
ELIZABETH FOSTER  
RAYMOND T. GALASCO

VOYA R. MARKOVICH  
MANH-QUAN TAM NGUYEN

assigned to

INTERNATIONAL BUSINESS MACHINES CORPORATION  
Armonk, New York

**If a CONTINUATION APPLICATION, check appropriate box and supply the requisite information:**

☐ Continuation ☒ Divisional ☐ Continuation -in -part (CIP)  
in prior application No.: 10/263,909

Enclosed are:

Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 16 pages and including the following:
  - a. ☒ Descriptive Title of the Invention
  - b. ☒ Cross References to Related Applications (*if applicable*)
  - c. ☐ Statement Regarding Federally-sponsored Research/Development (*if applicable*)
  - d. ☐ Reference to Microfiche Appendix (*if applicable*)
  - e. ☒ Background of the Invention
  - f. ☒ Brief Summary of the Invention
  - g. ☒ Brief Description of the Drawings (*if drawings filed*)
  - h. ☒ Detailed Description
  - i. ☒ Claim(s) as Classified Below
  - j. ☒ Abstract of the Disclosure
3. ☒ Drawing(s) (*when necessary as prescribed by 35 USC 113*)
  - a. ☒ Formal
  - b. ☐ InformalNumber of Sheets 3

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4. ☒ Oath or Declaration
- a. ☐ Newly executed (*original or copy*) ☐ Unexecuted
- b. ☒ Copy from a prior application (37 CFR 1.63(d)) (*for continuation/divisional application only*)
- c. ☒ With Power of Attorney ☐ Without Power of Attorney

Application Elements (Continued)

5. ☐ Incorporation by Reference (*usable if Box 4b is checked*)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ Computer Program in Microfiche (*Appendix*)
7. ☐ Nucleotide and/or Amino Acid Sequence Submission (*if applicable, all must be included*)
- a. ☐ Paper Copy
- b. ☐ Computer Readable Copy (*identical to computer copy*)
- c. ☐ Statement Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

8. ☐ Assignment Papers (*cover sheet & document(s)*)  
International Business Machines Corporation, Armonk, NY
9. ☐ 37 CFR 3.73(B) Statement (*when there is an assignee*)
10. ☐ English Translation Document (*if applicable*)
11. ☒ Information Disclosure Statement/PTO-1449 ☐ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard – 2 enclosed
14. ☒ Certificate of Mailing  
☐ First Class ☒ Express Mail (*Specify Label No.*): EL 897036356 US
15. ☒ Application Data Sheet
16. ☐ Additional Enclosures (*please identify below*):

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**FEE CALCULATION AND TRANSMITTAL**

**CLAIMS AS FILED**

1) For	2) Number Filed	3) Number Extra	Rate	Additional Fee
TOTAL CLAIMS (37 CFR 1.16(c))	17-20 =	-0-	x\$18.00	\$ -0-
INDEPENDENT CLAIMS (37 CFR 1.16(c))	1 - 3 =	- 0 -	x \$86.00	\$ - 0 -
First Pres. Of Multiple Dep. Claims	= 0			\$ 0.00
Basic Fee	= 0			\$ 770.00
			TOTAL	\$ 770.00

- ☐ A check in the amount of \_\_\_\_\_ to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 09-0457  
as described below. A duplicate copy of this sheet is enclosed.
- ☒ Charge the amount of \$770.00 as filing fee.
- ☒ Credit any overpayment or any deficiency.
- ☒ Charge any additional filing fees required under 37 CFR 1.16 and 1.17.

Respectfully submitted,

Date:

Dec. 05, 2003

By:

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Attachments

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10) Applicant(s): Egitto et al			DOCKET NO. END920020086US2 (IEN-10-5696-D1)
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Serial No. To be assigned	Filing Date Filed Herewith	Examiner	Group Art Unit
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Invention: **ELECTRONIC PACKAGE WITH FILLED BLIND VIAS**

I hereby certify that the following documents

New Utility Patent Application Transmittal

Application Data Sheet

Patent Application comprising **12** pages of specification, **3** pages of claims,  
**1** page of Abstract and **3** sheets of drawings

Declaration and Power of Attorney from Parent Patent Application

IDS Submission Statement with 1449 Form.

Two (2) Acknowledgement post cards

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on  
December 5, 2003.

Carole Giacomazzo  
(Typed or Printed Name of Person Mailing Correspondence)

  
(Signature of Person Mailing Correspondence)

EL 897036356 US  
("Express Mail" Mailing Label Number)

**APPLICATION  
FOR  
UNITED STATES LETTERS PATENT**

**APPLICANT NAME:** Egitto et al

**TITLE:** ELECTRONIC PACKAGE WITH FILLED BLIND VIAS

**DOCKET NO.** END920020086US2 (IEN-10-5696-D1)

**INTERNATIONAL BUSINESS MACHINES CORPORATION**

**CERTIFICATE OF MAILING UNDER 37 CFR 1.10**

I hereby certify that, on the date shown below, this correspondence is being deposited with the United States Postal Service in an envelope addressed to Mail Stop Patent Applications, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 as "Express Mail Post Office to Addressee"

Mailing No. EL 897036356 US

on \_\_\_\_\_

Carole Giacomazzo  
Name of person mailing paper

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Signature

\_\_\_\_\_  
Date